

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

John West and Deng-ke-Yang Group Art Unit: 2515

Serial No. 08/057,662 Examiner: C. Miller

Filed: May 4, 1993

For: MULTISTABLE CHIRAL NEMATIC DISPLAYS

Docket: 12-199C2

Honorable Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Sir:

**CERTIFICATION OF FACSIMILE TRANSMISSION**

The undersigned hereby certifies that the following Amendment, consisting of two (2) pages not including this page, is being facsimile transmitted to the Patent & Trademark Office at facsimile number 703-305-3594 on this day May 4, 1995.

Pursuant to a telephone conversation with Examiner Charles Miller on May 3, 1995, this duplicate amendment under 37 C.F.R. § 1.312 is being filed in order to ensure entry prior to the payment of the issue fee, due Monday, May 8, 1995. The original Amendment was filed on February 21, 1995, as indicated by the attached photocopy of the post card date stamped by the PTO and transmittal letter.

The undersigned greatly appreciates Examiner Miller's kind assistance in this matter and respectfully requests that the Amendment be entered prior to the due date for payment of the issue fee.

Respectfully submitted,

Richard A. Sharpe  
Reg. No. 34,722

Dated: May 4, 1995

**WATTS, HOFFMAN, FISHER & HEINKE**  
100 Erieview Plaza, Suite 2850  
Cleveland, Ohio 44114  
(216) 623-0775  
Atty. Docket: 12-199C2  
Date: May 4, 1995

Inventor William D. Lotz et al 12-19902  
 Part # 1 5-4-93  
 Ser. # 091059112 5-4-93  
 Title Method of determining the relative position of a point in a space  
 Initials WDL 5-4-93  
 Mailing Date 2-21-94 Due Date 5-4-93

**PATENT APPLICATION**  
☒ Transmittal Letter  
☐ Application  
☐ Declaration/Power of Attorney  
☐ Sheet(s) of Drawings (formal)  
☐ Informal  
☐ Priority document(s)  
☐ Other

☐ Small Entity Status  
☐ Assignment  
☐ Disclosure Statement  
☐ PTO Form 1449 Reh.

☒ Amendment after allowance  
☐ Extension of Time  
☐ Issue Fee PTO  
☐ Maintenance Fee Transmittal  
☐ Check in Amount of \$

RECEIPT IS HEREBY ACKNOWLEDGED  
 MAIL ROOM  
 FEB 24 1995  
 PTO & TRADE

PATENT  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: John West and Dieng-ke-Yang

Serial No.: 08/057,662

Group No.: 2515

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Commissioner of Patent and Trademarks  
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## AMENDMENT TRANSMITTAL

1. Transmitted herewith is an amendment for this application.

## STATUS

2. Applicant is

☒ a small entity -- verified statement:

☐ attached.

☒ already filed.

☐ other than a small entity.

## CERTIFICATE OF MAILING (37 CFR 1.8a)

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the Commissioner of Patent and Trademarks, Washington, D.C. 20231.

Ellen M. Grzelak

(Type or print name of person mailing paper)

Date: February 21, 1995Ellen M. Grzelak

(Signature of person mailing paper)

## EXTENSION OF TERM

3. The proceedings herein are for a patent application and the provisions of 37CFR 1.136 apply.

(complete (a) or (b) as applicable)

(a) ☐ Applicant petitions for an extension of time for the total number of months checked below:

Extension (months)	Fee for other than small entity	Fee for small entity
<input type="checkbox"/> one month	\$ 110.00	\$ 55.00
<input type="checkbox"/> two months	370.00	185.00
<input type="checkbox"/> three months	870.00	435.00
<input type="checkbox"/> four months	1,360.00	680.00

Fee \$ \_\_\_\_\_

If an additional extension of time is required please consider this a petition therefor.

(check and complete the next item, if applicable)

☐ An extension for \_\_\_\_\_ months has already been secured and the fee paid therefor of \$ \_\_\_\_\_ is deducted from the total fee due for the total months of extension now requested.

Extension fee due with this request \$ \_\_\_\_\_

OR

(b) ☒ Applicant believes that no extension of term is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition for extension of time.

## FEE FOR CLAIMS

4. The fee for claims has been calculated as shown below:

(Col. 1)	(Col. 2)	(Col. 3)	Small Entity	Other than a Small Entity
Claims Remaining After Amendment	Highest No. Previously Paid for	Present EXTRA Rate	Addl. Fee	Addl. Fee
TOTAL 14	MINUS * 17	=	x 11 = \$	x 22 = \$
INDEP. 4	MINUS ** 4	=	x 38 = \$	x 76 = \$
First Presentation of Multiple Dep. Claims			x 120 = \$	x 240 = \$
			Total \$	or Total \$

\* If the Highest No. Previously Paid for in this space is less than 20, enter "20".

\*\* If the Highest No. Previously Paid for in this space is less than 3, enter "3".

(c) xx No additional fee is required

OR

(d) \_\_\_\_\_ Total additional fee required \$ \_\_\_\_\_

FEE PAYMENT

5. \_\_\_\_\_ Attached is a check in the sum of \$ \_\_\_\_\_  
\_\_\_\_\_ Charge Account No. 23-0630 in the sum of \$ \_\_\_\_\_  
A duplicate of this transmittal is attached.

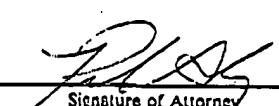
Fee Deficiency

6. xx \_\_\_\_\_ If any additional extension and/or fee is required, this is the request therefor and to charge  
Account No. 23-0630

And/Or

xx \_\_\_\_\_ If any additional fee for claims is required, charge Account No. 23-0630.

Reg. No.: 34,722

  
\_\_\_\_\_  
Signature of Attorney

Tel. No.: (216) 623-0775  
Fax No.: (216) 241-8151

Richard A. Sharpe  
\_\_\_\_\_  
Type or Print Name of Attorney

WATTS, HOFFMANN, FISHER & HEINKE  
100 Erieview Plaza, Suite 2850  
Cleveland, OH 44114-1824

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

John West and Deng-ke-Yang

Group Art Unit 2515

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Commissioner of Patents and Trademarks  
Washington, D.C. 20231AMENDMENT UNDER 37 C.F.R. § 1.312

Sir:

Please amend this application as set forth below.

IN THE CLAIMS

Claim 25, line 2, after "a" insert --polymer free--.

REMARKS

Entry of the above-amendment is respectfully requested in view of the following remarks. Pursuant to the Examiner's Amendment, the term "polymer free" has been entered into all of the independent claims except claim 25. Upon review of the application after receipt of the Notice of Allowance, it was noted that original claim 12, which corresponds to allowed claim 25, also included the polymer free language. It is respectfully submitted that, in order to accurately reflect the subject matter of this application, the term should also be added to claim 25 as set forth in the above-amendment.

I hereby certify that this paper is being deposited  
with the U.S. Postal Service as 1st Class Mail  
addressed to the Commissioner of Patents and  
Trademarks, Washington, D.C. 20231 on 2-21-95.

By: John M. [Signature]c.m.  
5/4/95


Enter

#14/C  
5/4/95

Since the foregoing amendment is intended to clarify the claims and does not require a new search, entry of the amendment is proper and respectfully requested.

Respectfully submitted,

Dated: 2/24, 1995

  
Richard A. Sharpe  
Reg. No. 34,722

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